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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,413	10/15/2001	David C. Davies	ACUITY-010AX	4352

7590 05/17/2005
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EXAMINER

VO, TIM T

ART UNIT	PAPER NUMBER
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2112

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/977,413

Applicant(s)

DAVIES ET AL.

Examiner

Tim T. Vo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13 and 23-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 36-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) 13-35 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Part III DETAILED ACTION

Notice to Applicant(s)

This application has been examined. Claims 13 and 23-40 are pending.

Election/Restrictions

1. Applicant's election without traverse of group III (claims 36-40) in the reply filed on 3/30/05 is acknowledged.
2. Claims 13, 23-35 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected groups, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 3/30/05.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 36-40 are rejected under 35 U.S.C. § **102(e)** as being anticipated by Hsieh et al. patent number 5,969,750 referred hereinafter "Hsieh".

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As for claim 36, Hsieh teaches a configuration vision processing system for connection to a personal computer (PC) see figure 5, the configurable vision processing system comprising:

A local peripheral component interconnect (PCI) bus (see figure 5 and column 5 lines 60-61, PCI bus 124);

A vision accelerator subsystem coupled to the local PCI bus (see figure 5, camera 110, PCI bus 124), the vision accelerator subsystem including a processing accelerator and at least one image memory interface with the processing accelerator (see figure 5, camera 110, 111, 113, 115, serial interface 200, bridge 148, PCI bus 126 and column 7 lines 49-58, wherein the camera comprising 111, 113, 115 for processing images and transfer data to system 120 via serial interface 190, bridge 148, PCI bus 126, North bridge 130);

A digitizer subsystem coupled to the local (PCI) bus (see figure 5 and column 10 lines 60-63, camera 110, comprising digitized image coupling to the PCI bus via the serial interface 190, bridge 148), the digitizer subsystem including a digitizer and at least one camera coupled to the digitizer (see figure 5, camera 110 comprising image device 11, ADC 113, reduction circuit); and

A vision central processing unit (CPU) subsystem coupled to the local (PCI) bus, the vision CPU subsystem including an embed vision system CPU (see figure 5, CPU 128, PCI bus 124), a host bus bridge for interface system CPU to the local (PCI) bus, system memory, at least one system peripheral (see figure 5, bridge 130, PCI bus 124, CPU 128, memory 132, peripheral input 144), and a display controller for interface a

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local display to the local PCI bus (see figure 5, video conference system 100' comprising computer 120' and column 8 lines 25-30, wherein the video conference system 100' comprising computer 120' for controlling display, resolution).

As for claim 37, Hsieh teaches a peripheral bus bridge coupled to the local PCI bus, wherein the peripheral bus bridge is adapted to be coupled to a host PCI bus within the PC that configurable vision processing system implemented as a PCI add-in extension board (see figure 5).

As for claims 39-40, Hsieh teaches PCI bus compliant with PCI specification standard, and the PCI specification teaches (IDSEL) line, PCI address line AD [15:11] as claimed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim T. Vo whose telephone number is 571-272-3642. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 571-272-3632. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

5/15/05

A handwritten signature in black ink, appearing to read 'Tim Vo', with a stylized flourish at the end.

Tim T. Vo
Primary Examiner
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